(JAPIO) ACCESSION NUMBER

PATENT APPLICANT INVENTORS PATENT NUMBER

APPLICATION DETAILS

SOURCE

INT'L PATENT CLASS JAPIO CLASS

FIXED KEYWORD CLASS

ABSTRACT

86-078067 FUEL CELL

(2000445) HITACHI CHEM CO LTD

MUKOYAMA, YOSHIYUKI; HIRAI, OSAMU; KOBAYASHI, YUJI

86.04.21 J61078067, JP **61-78067**

84.09.25 84JP-200248, 59-200248 86.08.26 SECT. E, SECTION NO. 431; VOL. 10, NO. 248, PG. 135.

H01M-008/10

42.9 (ELECTRONICS--Other); 35.0 (NEW ENERGY

SOURCES--General)

R052 (FIBERS--Carbon Fibers); R057 (FIBERS--Non-woven

Fabrics)

PURPOSE: To prevent flow-out and replenishment of electrolyte and improve cell characteristic by using cation exchange resin particles excessively bridged

as electrolyte.

CONSTITUTION: Strong acid cation exchange resin particle 10 are made electrolyte and the resin constituting resin particles 10 have bridge formation agent of 0.8-5 molar % as constituting compound. As the bridge formation degree of general strong acid cation exchange resin particles 10 is 8-10 molar %, the bridge formation degree of the above strong acid cation exchange resin particles 10 is relatively low. Then, they can be swelled well and can have better

ion conductivity to prevent flow-out and replenishment of electrolyte, and cell characteristic

can be improved.